

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	16	S1 same S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 10:30
S2	306144	(eliminat\$3 or remov\$3 or reduc\$4) near3 noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 10:30
S1	8119	face near4 identif\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 12:53
S6	179	S4 same S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 12:55
S8	14	S4 and S5 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 13:25
S7	2772	contour near2 correct\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 13:25
S9	525	S4 and S5 and (low adj1 pass near2 filter\$3 or LPF)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 13:46
S11	231	(ray near2 lawrence or nicponski near2 henry).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 13:54
S10	6	S4 and S7 and (low adj1 pass near2 filter\$3 or LPF)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 13:54

## EAST Search History

S12	31	S4 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 13:55
S16	0	"19970101579"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:01
S15	0	"1997101579"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:01
S14	0	("1997101579").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 16:01
S13	0	("1015791997").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 16:01
S17	1	("7154543").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 16:31
S20	2	("6940545").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 16:37
S19	8	S4 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:37

## EAST Search History

S21	37	("4503508"   "5012522"   "5086480"   "5103254"   "5164992"   "5283644"   "5430809"   "5432863"   "5432864"   "5629752"   "5642431"   "5687412"   "5710833"   "5715325"   "5719951"   "5749000"   "5781665"   "5835616"   "5850470"   "5870138"   "5873007"   "5973734"   "5986764"   "6035074"   "6263113"   "6271876"   "6278491"   "6301440"   "6332033"   "6597817"   "6608914").PN. OR ("6940545"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 16:47
S22	2	S21 and noise and portrait	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 16:48
S18	760	348/241.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:49
S24	18	S4 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:50
S23	1724	348/241-251.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:50
S4	39588	(face or facial) near4 (identif\$7 or detect\$3 or recogni\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:52
S25	674	S4 and contour and noise and (portrait or mode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 16:53
S26	36	S25 and "348"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:04

## EAST Search History

S27	1450	portrait near3 mode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:05
S29	26215	(contour or edge) near3 (correct\$3 or enhanc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:24
S28	32	S4 same S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:24
S31	12990	edge near3 contour	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:35
S30	21	S4 same S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:35
S32	185	edge near3 contour near3 (correct\$3 or enhanc\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 17:45
S35	7	("4991009"   "5296945"   "5561796"   "5805745"   "6184926"   "6272231"   "6407777").PN. OR ("7038715").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 17:48
S34	2	("7038715").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 17:48
S36	823	S4 same noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:08
S37	79	S36 and "348"/\$.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:34

## EAST Search History

S38	2	("6298198").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 13:43
S41	8	S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 13:44
S40	226	color near2 balance with noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:01
S42	74410	(enhanc\$5 or correct\$3 or compensat\$3) with noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:02
S47	323	S39 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:17
S46	1745	S44 or S45	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:17
S45	402	382/195.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:17
S44	1372	382/190.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:17
S48	909	S39 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:20
S43	193	S39 same S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:20

## EAST Search History

S50	65	S39 same low near2 filter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:21
S49	21	S47 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:21
S51	6	10/016601	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:39
S39	37441	face near4 (detect\$3 or identif\$7 or recogni\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:41
S54	185	S52 same S53	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:42
S53	78181	noise near4 (correct\$3 or filter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:42
S52	39589	(face or facial) near4 (detect\$3 or identif\$7 or recogni\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:42
S55	24	("20010031804"   "20020076100"   "20020093670"   "20030093279"   "20030108245"   "4203671"   "4682230"   "5523849"   "5682443"   "5710833"   "5781276"   "5848181"   "5889578"   "5901245"   "6141017"   "6453069"   "6504951"   "6636645"   "6665446"   "6707940"   "6731821"   "6738494"   "6845181"   "6891977").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 14:46
S56	866	portrait and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:57

## EAST Search History

S58	228	S56 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:58
S57	443857	noise with (reduc\$4 or filter\$3 or correct\$4 or remov\$3 or eliminat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 14:58
S59	8	S46 and S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/06 15:23
S61	2	("20030071908").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 15:24
S62	2	("7092573").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/07 11:26
S60	2	("6940545").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/07 11:26
S63	24	("20010031804"   "20020076100"   "20020093670"   "20030093279"   "20030108245"   "4203671"   "4682230"   "5523849"   "5682443"   "5710833"   "5781276"   "5848181"   "5889578"   "5901245"   "6141017"   "6453069"   "6504951"   "6636645"   "6665446"   "6707940"   "6731821"   "6738494"   "6845181"   "6891977").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/07 11:53
S64	31	"5682443"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/07 11:54
S33	2	("5835616").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/07 12:44

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S65	51396	(contour or edge) near3 (correct\$3 or enhanc\$6 or improv\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 12:45
S66	32138	(face or facial) near3 (identif\$7 or recogni\$5 or detect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 12:46
S67	30	S65 same S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 12:47
S68	451430	(low near2 pass\$3 or noise near3 (reduc\$5 or remov\$3 or eliminat\$3 or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 12:48
S69	176	S65 and S66 and S68	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 12:49
S70	16	S69 and ("348"/\$.ccls. or "382"/\$.ccls)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 16:32
S71	2	("20030071908").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/07 17:46
L1	1494	382/115,118.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:46
S5	325199	noise near4 (eliminat\$3 or remov\$3 or reduc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:47



## EAST Search History

L3	356655	noise near4 (eliminat\$3 or remov\$3 or reduc\$4 or filter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:47
L4	124	2 and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:50
L5	1201	348/222.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:55
L6	59	5 and (face or facial) near4 (identif\$7 or detect\$3 or recogni\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:57
L8	1	7 and (face or facial) near4 (identif\$7 or detect\$3 or recogni\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:58
L7	243	(Koichi near1 Sakamoto Makoto near1 Tsugita Manabu near1 Hyodo Hirokazu near1 Kobayashi Koji near1 Ichikawa).in.	US-PGPUB; USPAT	OR	ON	2007/01/07 17:58
L2	872	1 and (face or facial) near4 (identif\$7 or detect\$3 or recogni\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:58